



Reporting of Sample Analytical Results from outside Laboratories to Nebraska's Safe Drinking

Requirements:

1. All sample analytical results must be provided to the Monitoring and Compliance Program of the NHHS Environmental Health Services Section in the format specified in sections 18.6 and 19.1 of the SDWIS/State 8.0 Administrators Guide (attached).
2. Before this agreement becomes effective, the outside laboratory must demonstrate it's capability to provide sample analytical results data in SDWIS format as specified in #1 to the satisfaction of the Monitoring and Compliance Program of the Environmental Health Services Section.
3. If changes to the SDWIS reporting requirements of sample analytical results become effective, the outside laboratory agrees to implement the changes immediately.
4. Sample analytical result data rejected by SDWIS will be corrected and resubmitted within three working days of the outside laboratory notification by the Monitoring and Compliance Program.
5. The Monitoring and Compliance Program reserves the right to require the outside laboratory to demonstrate its capability in #2 again if data is repeatedly rejected by SDWIS.
6. If the outside laboratory becomes unable to provide sample analytical results data in SDWIS format as specified in #1 to the satisfaction of the Monitoring and Compliance of the Environmental Health Services Section, then there is cause to terminate this agreement.
7. Upon realization of any total coliform positive or Fecal/E. Coli positive sample, the outside laboratory will immediately fax (402.471.6436), e-mail (sherry.wirth@hss.ne.gov) or telephone (402.471.2541) the Monitoring and Compliance Program.

Internet e-mail capability is required to comply with the above requirements.

18.6

B_SAMPLE_SAMPLE_SUMMARY					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
1.	B_RECORD_NAME	AN	3	1 - 3	MANDATORY - Field must = HDR
2.	B_REPORT_TYPE	AN	1	4	MANDATORY - Field must = S
3.	B_TRANSACTION_NUMBER	AN	10	5 - 14	NOT USED (Blank Fill)
4.	B_LAB_SAMPLE_NUMBER	AN	20	15 - 34	NOT USED (Blank Fill)
5.	B_STATE_SAMPLE_NUMBER	AN	20	35 - 54	NOT USED (Blank Fill)
6.	B_WATER_SYSTEM_NUMBER	AN	11	55 - 65	MANDATORY - Uniqueness/Duplicate check is on the combination of field 6 (B_WATER_SYSTEM_NUMBER), and field 30 (B_ANALYTE_CODE), and field 32 (B_MONITORING_PERIOD_START_DATE), and field 33 (B_MONITORING_PERIOD_END_DATE).
6.A*	B_REPLACEMENT_INDICATOR	AN	1	66	NOT USED (Blank Fill)
7.	B_STATE_LABORATORY_NUMBER	AN	10	67 - 76	OPTIONAL
8.	B_FEDERAL_LABORATORY_NUMBER	AN	10	77 - 86	OPTIONAL
9.	B_WATER_FACILITY_STATE_CODE	AN	12	87 - 98	CONDITIONALLY MANDATORY - If field 30 (B_ANALYTE_CODE) = "PB90" or "CU90," must have a valid water system facility. If supplied, must belong to the Water System supplied in field 6 (B_WATER_SYSTEM_NUMBER) .
10.	B_SAMPLING_POINT	AN	11	99 - 109	OPTIONAL
11.	B_SAMPLING_LOCATION	AN	20	110 - 129	OPTIONAL
12.*	B_SAMPLE_CATEGORY	AN	2	130 - 131	NOT USED (Blank Fill)
13.*	B_COMPLIANCE_INDICATOR	AN	1	132	MANDATORY - If not valued, <i>Migration to SDWIS/STATE</i> will set to "Y."

B_SAMPLE_SAMPLE_SUMMARY					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
14.	B_COLLECTION_DATE (For Sample Summary (17.5), this field is used for the Summary Collection Start Date)	DT	8	133 - 140	OPTIONAL - If valued, must be less than or equal to the current date.
15.	B_COLLECTION_TIME	TM	6	141 - 146	NOT USED (Blank Fill)
16.*	B_SAMPLE_TYPE	AN	2	147 - 148	NOT USED (Blank Fill)
17.*	B_REPEAT_LOCATION_CODE	AN	2	149 - 150	NOT USED (Blank Fill)
18.	B_LAB_RECEIPT_DATE_SAMPLE	DT	8	151 - 158	OPTIONAL
19.	B_COLLECTOR_IDENTIFICATION_NUMB	AN	5	159 - 163	NOT USED (Blank Fill)
20.	B_COLLECTOR_NAME	AN	40	164 - 203	NOT USED (Blank Fill)
21*	B_SAMPLE_VOLUME	AN	9	204 - 212	NOT USED (Blank Fill)
22.*	B_LEAD_COPPER_SAMPLE_TYPE	AN	3	213 - 215	NOT USED (Blank Fill)
23.*	B_SAMPLE_REJECTION_REASON	AN	2	216 - 217	NOT USED (Blank Fill)
24.	B_COLLECTION_METHOD_CODE	AN	12	218 - 229	NOT USED (Blank Fill)
25.	B_ORIGINAL_LAB_SAMPLE_NUMBER	AN	20	230 - 249	NOT USED (Blank Fill)
26.	B_LAB_COMPOSITE_NUMBER	AN	20	250 - 269	NOT USED (Blank Fill)
27.	B_COMPOSITE_DATE (For Sample Summary (17.5), this field is used for the Summary Collection End Date)	DT	8	270 - 277	OPTIONAL - If valued, must be after the Collection Start Date in field 14 (B_COLLECTION_DATE).
28.*	B_COMPOSITE_INDICATOR	AN	1	278	NOT USED (Blank Fill)
29.*	B_COMPOSITE_QUARTER	AN	1	279	NOT USED (Blank Fill)

* Designates field with permitted values.

+ Shaded gray blocks designate changes to previously published structure sets.

B_SAMPLE_SAMPLE_SUMMARY					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
30.	B_ANALYTE_CODE	AN	4	280 - 283	MANDATORY -Uniqueness/Duplicate check is on the combination of field 6 (B_WATER_SYSTEM_NUMBER), and field 30 (B_ANALYTE_CODE), and field 32 (B_MONITORING_PERIOD_START_DATE), and field 33 (B_MONITORING_PERIOD_END_DATE).
31.	B_CAS_NUMBER	AN	10	284 - 293	NOT USED (Blank Fill)
32.	B_MONITORING_PERIOD_START_DATE	DT	8	294 - 301	MANDATORY -Uniqueness/Duplicate check is on the combination of field 6 (B_WATER_SYSTEM_NUMBER), and field 30 (B_ANALYTE_CODE), and field 32 (B_MONITORING_PERIOD_START_DATE), and field 33 (B_MONITORING_PERIOD_END_DATE). Value supplied must be the first day of the first month of the monitoring period.
33.	B_MONITORING_PERIOD_END_DATE	DT	8	302 - 309	MANDATORY -Uniqueness/Duplicate check is on the combination of field 6 (B_WATER_SYSTEM_NUMBER), and field 30 (B_ANALYTE_CODE), and field 32 (B_MONITORING_PERIOD_START_DATE), and field 33 (B_MONITORING_PERIOD_END_DATE). Value supplied must be the last day of the last month of the monitoring period.
34.	B_ANALYSIS_METHOD_CODE	AN	12	310 - 321	OPTIONAL - May be either a federally owned or state-owned analyte method pairing that exists in state/region's SDWIS/STATE database.
35.	B_FREE_CHLORINE_RESIDUAL	N	5 (4(2))	322 - 326	NOT USED (Blank Fill)
36.	B_TOTL_CHLORINE_RESIDUAL	N	5 (4(2))	327 - 331	NOT USED (Blank Fill)
37.	B_SAMPLE_WATER_TEMPERATURE	N	4 (3(1))	332 - 335	NOT USED (Blank Fill)

B_SAMPLE_SAMPLE_SUMMARY					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
38.*	B_TEMPERATURE_UNIT_MEASURE	AN	1	336	NOT USED (Blank Fill)
39.	B_TURBIDITY_MEASURE	N	6 (5(2))	337 - 342	NOT USED (Blank Fill)
40.	B_PH_MEASURE	N	5 (4(1))	343 - 347	NOT USED (Blank Fill)
41.	B_FLOW_RATE	N	8 (7(4))	348 - 355	NOT USED (Blank Fill)
	FILLER		20	356 - 375	Blank fill to make fixed record length of 375.

A-186* Designates field with permitted values. + Shaded gray blocks designate changes to previously published structure sets. Non-TCR sample summaries can now link directly to a Monitoring Period. It is not necessary to have a record in Water System Monitoring Period Asgmt (TMNWSMPA) and Rule Water System Monitoring Period Asgmt (TMNRWSMA). When creating a new Sampling Point during the processing of individual samples, *Sampling via EDI* sets the following values: C Activity Status—"A." C Status Date—value in B_COLLECTION_DATE. C Status Reason Text—"created by *Sampling via EDI*."

19.1 B_Result_Summary_Result File Layout for Total Coliform Results

B_RESULT_SUMMARY_RESULT					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
1.	B_RECORD_NAME	AN	3	1 - 3	MANDATORY - Field must = DTR
2.	B_REPORT_TYPE	AN	1	4	MANDATORY - Field must = T
3.	B_TRANSACTION_NUMBER	AN	10	5 - 14	NOT USED (Blank Fill)
4.	B_LAB_SAMPLE_NUMBER	AN	20	15 - 34	MANDATORY - Reference field required to associate the result to the parent sample. Must be same value as field B_LAB_SAMPLE_NUMBER in B_Sample structure set or result (and sample) will be rejected.
5.	B_WATER_SYSTEM_NUMBER	AN	12	35 - 46	MANDATORY -Reference field required to associate the result to the parent sample. Must be same value as field B_WATER_SYSTEM_NUMBER in B_Sample structure set or result (and sample) will be rejected.
6.	B_ANALYTE_CODE	AN	4	47 - 50	MANDATORY
7.	B_CAS_NUMBER	AN	10	51 - 60	NOT USED (Blank Fill)
8.	B_ANALYSIS_START_DATE	DT	8	61 - 68	OPTIONAL - Sample will be rejected if Analysis Start Date is supplied but is prior to Sample Collection Date.
9.	B_ANALYSIS_START_TIME	TM	6	69 - 74	OPTIONAL

* Designates field with permitted values.

+ Shaded gray blocks designate changes to previously published structure sets.

B_RESULT_SUMMARY_RESULT					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
10.	B_ANALYSIS_COMPLETION_DATE	DT	8	75 - 82	OPTIONAL - Sample will be rejected if Analysis Completion Date is supplied but is prior to Sample Collection Date. Sample will also be rejected if both Analysis Start and Completion Dates are supplied, but Completion Date is prior to Start Date.
11.	B_ANALYSIS_COMPLETION_TIME	TM	6	83 - 88	OPTIONAL
12.	B_STATE_NOTIFY_DATE	DT	8	89 - 96	OPTIONAL
13. *	B_DATA_QUALITY	AN	1	97	OPTIONAL - If this field is not valued, <i>Migration to SDWIS/STATE</i> will set it to "A" which is defined as "Accepted." If valued with "R," this is considered a rejected result, and a result record will be created.
14. *	B_DATA_QUALITY_REASON	AN	2	98 - 99	CONDITIONALLY MANDATORY - Field must be valued if field 13 (B_DATA_QUALITY) = "R."
15. *	B_ANALYSIS_METHOD_CODE	AN	12	100 - 111	OPTIONAL - May be either a federally owned or state-owned analyte method pairing that exists in state/region's SDWIS/STATE database.
16.	B_MONITORING_PERIOD_START_DATE	DT	8	112 - 119	<p>OPTIONAL - If sample is for compliance (see Sample structure set): If valid current TCR monitoring periods do not exist in your database, recommend that date be supplied to preclude sample rejection. See detailed edit check information at the end of this structure set.</p> <p>If sample is not for compliance (see Sample structure set): See detailed edit check information at the end of this structure set. No monitoring period need be in the database or supplied with the input file for the sample to be accepted.</p>

B_RESULT_SUMMARY_RESULT					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
17.	B_MONITORING_PERIOD_END_DATE	DT	8	120 - 127	<p>OPTIONAL -If sample is for compliance (see Sample structure set): If valid current TCR monitoring periods do not exist in your database, recommend that date be supplied to preclude sample rejection. See detailed edit check information at the end of this structure set.</p> <p>If sample is not for compliance (see Sample structure set): See detailed edit check information at the end of this structure set. No monitoring period need be in the database or supplied with the input file for the sample to be accepted.</p>
18.	B_VOLUME_ASSAYED	AN	9	128 - 136	OPTIONAL
19.*	B_LAB_REJECTION_REASON	AN	4	137 - 140	CONDITIONALLY MANDATORY - See discussion in field 20.
20.*	B_MICROBE_PRESENCE_INDICATOR	AN	1	141	<p>CONDITIONALLY MANDATORY -C If not valued, field 19 (B_LAB_REJECTION_REASON) must be valued and field 22 (B_COUNT) must not be valued. C If valued with P, field 22 (B_COUNT) must be either not valued, or if valued, be greater than 0. C If valued with A, field 19 (B_LAB_REJECTION_REASON) should not be valued and field 22 (B_COUNT) should not be valued with 0 or any other integer.</p>
21.*	B_TEST_TYPE	AN	1	142	OPTIONAL
22.	B_COUNT	N	10	143 - 152	CONDITIONALLY MANDATORY - See discussion in field 20.

B_RESULT_SUMMARY_RESULT					
FIELD NO	FIELD NAME	DOMAIN	SIZE	POSITION	OPTIONALITY
23.*	B_COUNT_TYPE	AN	10	153 - 162	CONDITIONALLY MANDATORY - Field must be valued if field 22 (B_COUNT) > 0.
24.*	B_COUNT_UNITS	AN	9	163 - 171	CONDITIONALLY MANDATORY - Field must be valued if field 23 (B_COUNT_TYPE) is valued.
25. *	B_LESS_THAN_INDICATOR	AN	1	172	NOT USED (Blank Fill)
26.*	B_LESS_THAN_CODE	AN	3	173 - 175	NOT USED (Blank Fill)
27.	B_DETECTION_LEVEL	N	16 (15(8))	176 - 191	NOT USED (Blank Fill)
28. *	B_DETECTION_LEVEL_UNIT_CODE	AN	9	192 - 200	NOT USED (Blank Fill)
29.	B_CONCENTRATION	N	14 (13(9))	201 - 214	NOT USED (Blank Fill)
30. *	B_CONCENTRATION_UNIT_CODE	AN	9	215 - 223	NOT USED (Blank Fill)
31.	B_REPORTED_MEASURE	AN	10	224 - 233	NOT USED (Blank Fill)
32.	B_REPORTED_MEASURE_COUNT_ERROR	N	9 (8(3))	234 - 242	NOT USED (Blank Fill)
33. *	B_RESULTS_TYPE	AN	2	243 - 244	NOT USED (Blank Fill)
34.	B_COUNT_QUANTITY	N	10	245 - 254	NOT USED (Blank Fill)
35.	B_MEASURE	N	14(13(9))	255 - 268	NOT USED (Blank Fill)
36. *	B_MEASURE_UNIT_CODE	AN	9	269 - 277	NOT USED (Blank Fill)
	FILLER		98	278 - 375	Blank fill to make fixed record length of 375.